



IFW16

## RAW SEQUENCE LISTING

DATE: 08/12/2004

PATENT APPLICATION: US/10/050,692C

TIME: 15:13:15

Input Set : A:\30331002-004SubSeq.txt

Output Set: N:\CRF4\08122004\J050692C.raw

4 <110> APPLICANT: Carney, Darrell H.  
 5 Crowther, Roger S.  
 6 Simmons, David J.  
 7 Yang, Jinping  
 8 Redin, William R.  
 10 <120> TITLE OF INVENTION: Stimulation of Bone Growth with Thrombin  
 11 Peptide Derivatives  
 13 <130> FILE REFERENCE: 3033.1002-004  
 15 <140> CURRENT APPLICATION NUMBER: US 10/050,692C  
 16 <141> CURRENT FILING DATE: 2002-01-16  
 18 <150> PRIOR APPLICATION NUMBER: US 09/909,122  
 19 <151> PRIOR FILING DATE: 2001-07-19  
 21 <150> PRIOR APPLICATION NUMBER: US 60/219,300  
 22 <151> PRIOR FILING DATE: 2000-07-19  
 24 <160> NUMBER OF SEQ ID NOS: 7  
 26 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 28 <210> SEQ ID NO: 1  
 29 <211> LENGTH: 10  
 30 <212> TYPE: PRT  
 31 <213> ORGANISM: Artificial Sequence  
 33 <220> FEATURE:  
 34 <223> OTHER INFORMATION: fragment of human prothrombin  
 36 <400> SEQUENCE: 1  
 37 Cys Glu Gly Asp Ser Gly Gly Pro Phe Val  
 38 1 5 10  
 43 <210> SEQ ID NO: 2  
 44 <211> LENGTH: 10  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: Artificial Sequence  
 48 <220> FEATURE:  
 49 <223> OTHER INFORMATION: fragment of human prothrombin  
 W--> 51 <221> NAME/KEY: VARIANT  
 52 <222> LOCATION: (2)...(2)  
 53 <223> OTHER INFORMATION: Xaa = Glu or Gln  
 W--> 55 <221> VARIANT  
 56 <222> LOCATION: (9)...(9)  
 57 <223> OTHER INFORMATION: Xaa = Phe, Met, Leu, His or Val  
 W--> 60 <400> 2  
 W--> 61 Cys Xaa Gly Asp Ser Gly Gly Pro Xaa Val  
 62 1 5 10  
 65 <210> SEQ ID NO: 3  
 66 <211> LENGTH: 4  
 67 <212> TYPE: PRT



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68 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: fragment of human prothrombin
73 <400> SEQUENCE: 3
74 Arg Gly Asp Ala
75 1
78 <210> SEQ ID NO: 4
79 <211> LENGTH: 14
80 <212> TYPE: PRT
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: fragment of human prothrombin
W--> 86 <221> NAME/KEY: VARIANT
87 <222> LOCATION: (6)...(6)
88 <223> OTHER INFORMATION: Xaa = Glu or Gln
W--> 90 <221> VARIANT
91 <222> LOCATION: (13)...(13)
92 <223> OTHER INFORMATION: Xaa = Phe, Met, Leu, His or Val
W--> 94 <400> 4
W--> 95 Arg Gly Asp Ala Cys Xaa Gly Asp Ser Gly Gly Pro Xaa Val
96 1 5 10
99 <210> SEQ ID NO: 5
100 <211> LENGTH: 23
101 <212> TYPE: PRT
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: fragment of human prothrombin
107 <400> SEQUENCE: 5
108 Ala Gly Tyr Lys Pro Asp Glu Gly Lys Arg Gly Asp Ala Cys Glu Gly
109 1 5 10 15
110 Asp Ser Gly Gly Pro Phe Val
111 20
114 <210> SEQ ID NO: 6
115 <211> LENGTH: 23
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: c-terminal amidated fragment of human thrombin
W--> 122 <221> NAME/KEY: AMIDATION
123 <222> LOCATION: (23)...(23)
124 <223> OTHER INFORMATION: valine is amidated
W--> 128 <400> 6
129 Ala Gly Tyr Lys Pro Asp Glu Gly Lys Arg Gly Asp Ala Cys Glu Gly
130 1 5 10 15
131 Asp Ser Gly Gly Pro Phe Val
132 20
135 <210> SEQ ID NO: 7
136 <211> LENGTH: 23
137 <212> TYPE: PRT

```

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138 &lt;213&gt; ORGANISM: Artificial Sequence

140 &lt;220&gt; FEATURE:

141 &lt;223&gt; OTHER INFORMATION: c-terminal amidated fragment of human thrombin

W--&gt; 143 &lt;221&gt; NAME/KEY: AMIDATION

144 &lt;222&gt; LOCATION: (23)...(23)

145 &lt;223&gt; OTHER INFORMATION: valine is amidated as NH2

W--&gt; 147 &lt;400&gt; 7

148 Ala Gly Tyr Lys Pro Asp Glu Gly Lys Arg Gly Asp Ala Cys Glu Gly

149 1 5 10 15

150 Asp Ser Gly Gly Pro Phe Val

151 20

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/050,692C

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Input Set : A:\30331002-004SubSeq.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 2,9  
Seq#:4; Xaa Pos. 6,13

## VERIFICATION SUMMARY

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Input Set : A:\30331002-004SubSeq.txt

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L:51 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:55 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2  
L:60 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2  
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:86 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:90 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4  
L:94 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4  
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:122 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:128 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6  
L:143 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:147 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7